

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-3. (cancelled)

4. (currently amended) A polynucleotide encoding a polypeptide selected from:

(a) a polypeptide comprising a ~~CR-50 antibody recognition site~~ region of Reelin protein recognized by a monoclonal antibody to Reelin protein that binds to SEQ ID NO: 2, and containing neither a repeat site nor any portion of an F-spondin domain ~~nor a repeat site~~, wherein the polypeptide is derived from a mouse Reelin polypeptide;

(b) a polypeptide comprising an amino acid sequence shown in SEQ ID NO: 2, and containing neither a repeat site nor any portion of an F-spondin domain ~~nor a repeat site~~; and

(c) the polypeptide of (a) or (b) comprising a deletion, substitution, or addition of one or more amino acid of the monoclonal antibody recognition region; and

(d) a polypeptide encoded by a degenerative nucleic acid sequence of the polypeptides of any of (a) to (c); and

wherein the polypeptide binds to the monoclonal antibody to Reelin protein that binds to SEQ ID NO: 2 ~~CR-50~~.

5. (currently amended) A polynucleotide selected from:

(a) a polynucleotide comprising the nucleotide sequence shown in SEQ ID NO: 1 and containing neither a nucleotide sequence encoding a repeat domain nor a nucleotide sequence

encoding any portion of an F-spondin domain ~~nor a repeat domain~~, wherein the polynucleotide encodes a polypeptide that binds to a CR-50 monoclonal antibody to Reelin protein that binds to SEQ ID NO: 2;

(b) a polynucleotide encoding a polypeptide capable of binding to a CR-50 monoclonal antibody to Reelin protein that binds to SEQ ID NO: 2, wherein the polynucleotide comprises deletion, substitution, or addition of one or more nucleotides in the nucleotide sequence shown in SEQ ID NO: 1, and wherein the encoded polypeptide contains neither a repeat site nor any portion of an F-spondin domain ~~nor a repeat site~~; and

(c) a polynucleotide comprising a degenerate nucleotide sequence of the polypeptide of (a) or (b).

6. (original) An expression vector comprising the polynucleotide according to claim 4 or 5.

7. (original) A host cell transfected with the expression vector according to claim 6.

8. (original) A method for producing a polypeptide, which comprises culturing the host cell according to claim 7.

9. (cancelled)

10. (original) A composition for stimulating the assembly of Reelin protein molecules, which comprises the polynucleotide according to claim 4 or 5.

11. (original) A pharmaceutical composition for diagnosis and/or treatment of diseases resulting from abnormally positioned neurons, which comprises the polynucleotide according to claim 4 or 5.